

FIG. 1

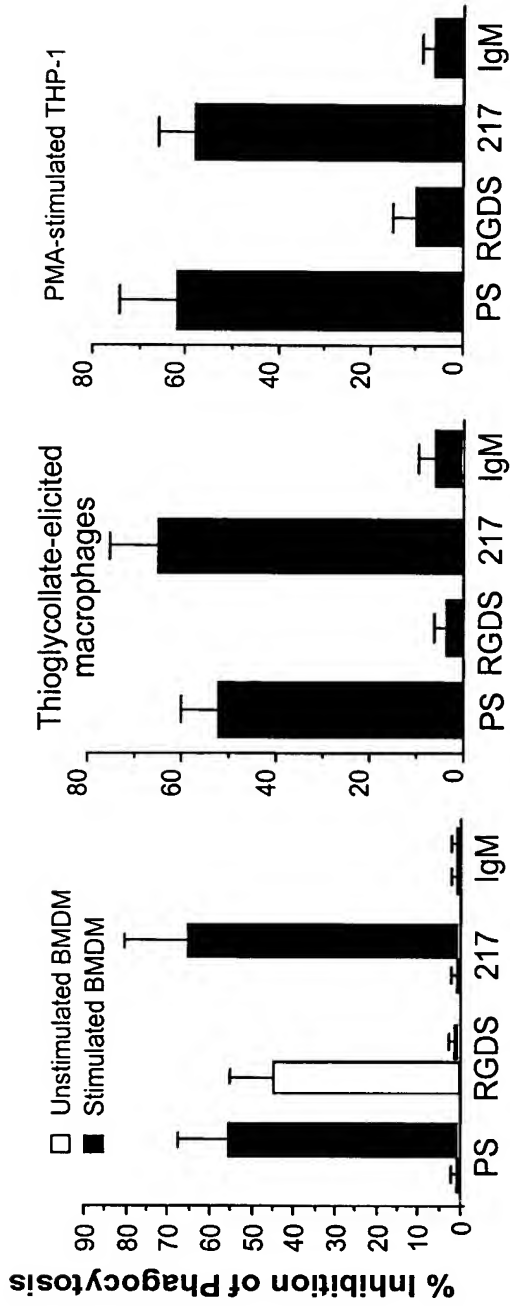


FIG. 2A

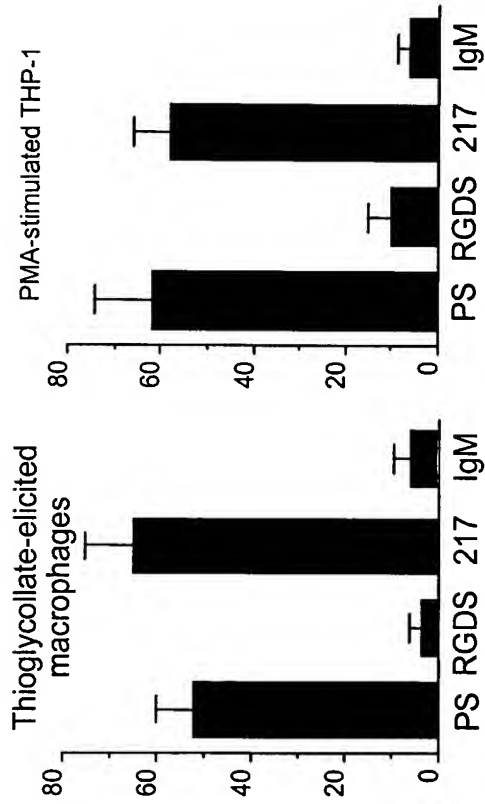


FIG. 2B

FIG. 2C

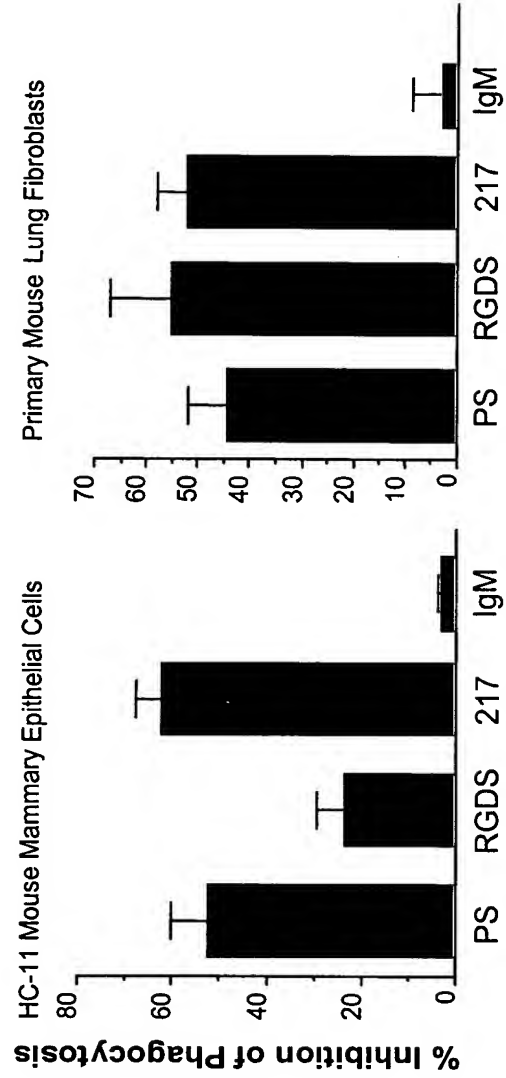


FIG. 2D

FIG. 2E

FIG. 3

Mouse PSR	M N H K S K K R I E A K R S A R P K L K D S L D W T R H N Y Y E S Y P L N P A A V	10	20	30	40	50
C. elegans F29B9.4	M S L G R D R Y S L P R T Y K R V S H A K D K A R P E L R - K F G W E T L G Y S E S E N L - - P P F					
Drosophila	M S E E F K L P K R S R K R I T E V K R K A R P E L D G E N A W S A M R Y C E K E P - F W D F					
Human PSR KIAA 0585	M N H K S K K R I E A K R S A R P E L K D S L D W T R H N Y Y E S F S L S P A A V					
Consensus	- - - S . K R . R E A K R A R P E L . W . Y E S F L					
Mouse PSR	S D N V E R A D A L Q L S V K E F V E R Y E R P Y K P V V L L N A Q E G W S A Q E K W T L E R L K R	60	70	80	90	100
C. elegans F29B9.4	R D S I Q R V D G N N L T V E E F R R D F E R F R I P V I I T G L T D N W A K D K W T V E R R K -					
Drosophila	T D N L E R I E E S Q V P E S E F I E R F E R P Y K P V V I R G C T D G W L A L E K W T L A R L A K					
Human PSR KIAA 0585	A D N V E R A D A L Q L S V E E F V E R Y E R P Y K P V V L L N A Q E G W S A Q E K W T L E R L K R					
Consensus	- D N - - R D - L - V E F - E R - E R P Y K P V V - - - W - A - E K W T L E R L K -					
Mouse PSR	K Y R N Q K F K C G E D N D G Y S V K M K M K Y V I E Y M E S T R D D S P L Y I F D S S Y G E H P K	110	120	130	140	150
C. elegans F29B9.4	K Y R N Q K F K C G E D N E G Y S V K M K M K Y V I E Y M E S T R D D S P L Y I F D S S Y G E H H R					
Drosophila	K Y R N Q K F K C G E D N D G Y S V K M K M K Y V I E Y M E S T R D D S P L Y I F D S S Y G E H P K					
Human PSR KIAA 0585	K Y R N Q K F K C G E D N D G Y S V K M K M K Y V I E Y M E S T R D D S P L Y I F D S S Y G E H P K					
Consensus	K Y R N Q K F K C G E D N . G Y S V K M K M K Y Y . E Y M . S T R D D S P L Y I F D S S . G E H					
Mouse PSR	R R K L L E D Y K V P K F F T D D L F Q Y A G E K R R P P Y R W F V M G P P R S G T G I H I D P L G	160	170	180	190	200
C. elegans F29B9.4	T K K L S L E D Y S V P K F F E D D L F H Y A D D K R R P P H R W F V M G P A R S G T A I H I D P L G					
Drosophila	R R K L L E D D Y V P K Y E R D D L F Q Y C G E N R R P P Y R W F V M G P A R S G T G I H I D P L G					
Human PSR KIAA 0585	R R K L L E D Y K V P K F F T D D L F Q Y A G E K R R P P Y R W F V M G P P R S G T G I H I D P L G					
Consensus	R R K L L E D Y V P K F F D D L F Q Y A G E K R R P P Y R W F V M G P R S G T G I H I D P L G					
Mouse PSR	T S A W N A L V Q G H K R W C L F L T N T P R E L I K V T R E E G G N Q Q D E A I T W F N V I Y P R	210	220	230	240	250
C. elegans F29B9.4	T S A W N S D L Q G H K R W V L I P P I A P R D L V K P M A H E K G K H P D E G I T W F Q T V Y K R					
Drosophila	T S A W N T L I R G H K R W C L F P T Q T P K E L L K V T S A M G G K Q R D E A I T W F S T I Y P R					
Human PSR KIAA 0585	T S A W N A L V Q G H K R W C L F L T T P R E L I K V T R D E G G N Q Q D E A I T W F N V I Y P R					
Consensus	T S A W N . L . Q G H K R W C L F P T T P R E L . K V T E G G Q . D E A I T W F . I Y P R					
Mouse PSR	T Q L P T W P E F K P L E I L Q K P G E T V F V P G G W W H V V L N L D T T I A I T Q N F A S S T	260	270	280	290	300
C. elegans F29B9.4	V R S P S W P K E Y A P I E C R I G P G E T M F V P S C W W H V V I N E E Y T I A V T H N Y C S S V E					
Drosophila	T Q L P S W P E Q Y R P I E V I L Q G A G E T V F V P G G W W H V V L N M D D T I A I T Q N F A S S Q T					
Human PSR KIAA 0585	T Q L P T W P E F K P L E I L Q K P G E T V F V P G G W W H V V L N L D T T I A I T Q N F A S S T					
Consensus	T Q L P . W P E . . P . E . L Q P G E T V F V P G G W W H V V L N . D T I A I T Q N F . S T					
Mouse PSR	N F P V V W H K T V R G R P K L S R K W Y R L K Q E H P E L A V L A D S V D L Q E S T G I A S D S	310	320	330	340	350
C. elegans F29B9.4	N L H L V W P K T V K G R P K L S K H W V K R L T E Q R P E L L E I I K S A S E I P L Y D M N - E S					
Drosophila	N F P C Y W H K T V R G R P K L S K K W L R V I R D Q R P E L A Q I A D S I N L N E S T G F A S D S					
Human PSR KIAA 0585	N F P V V W H K T V R G R P K L S R K W Y R I L K Q E H P E L A V L A D S V D L Q E S T G I A S D S					
Consensus	N F P . V W H K T V R G R P K L S R K W R . L . . . P E L A . A D S . L . E S T G . A S D S					
Mouse PSR	S S S G S S S S S S S S S S S S D S D S E C E S G S E G D G T T H - - - R R K R R T C S M V G N G D	360	370	380	390	400
C. elegans F29B9.4	S S S D S S S S S S S S S S S S S D S E S D C D D S G R C G Q - - - - - R R K R N D D R S N E C P					
Drosophila	S S N S S S S S S S S S S S S S S S E E E E S D D G G D S N T D S G Q E S L T A K K K K R R M A C G G -					
Human PSR KIAA 0585	S S S D S S S S S S S S S S S S S S D S D S E C E S G S E G D G T V H R - - - R K K R R T C S M V G N G D					
Consensus	S S S S S S S S S S S S S S S S S S D S D S E C G G G K K R . . M G . G					
Mouse PSR	T T S Q D D C V S K E R S S S R	410	420	430	440	450
C. elegans F29B9.4	E K M S T T Y F Q N S L V					
Drosophila	- S G S G S M G G S S R S					
Human PSR KIAA 0585	T T S Q D D C V S K E R S S S R I R D T C G G R A H P					
Consensus	S					

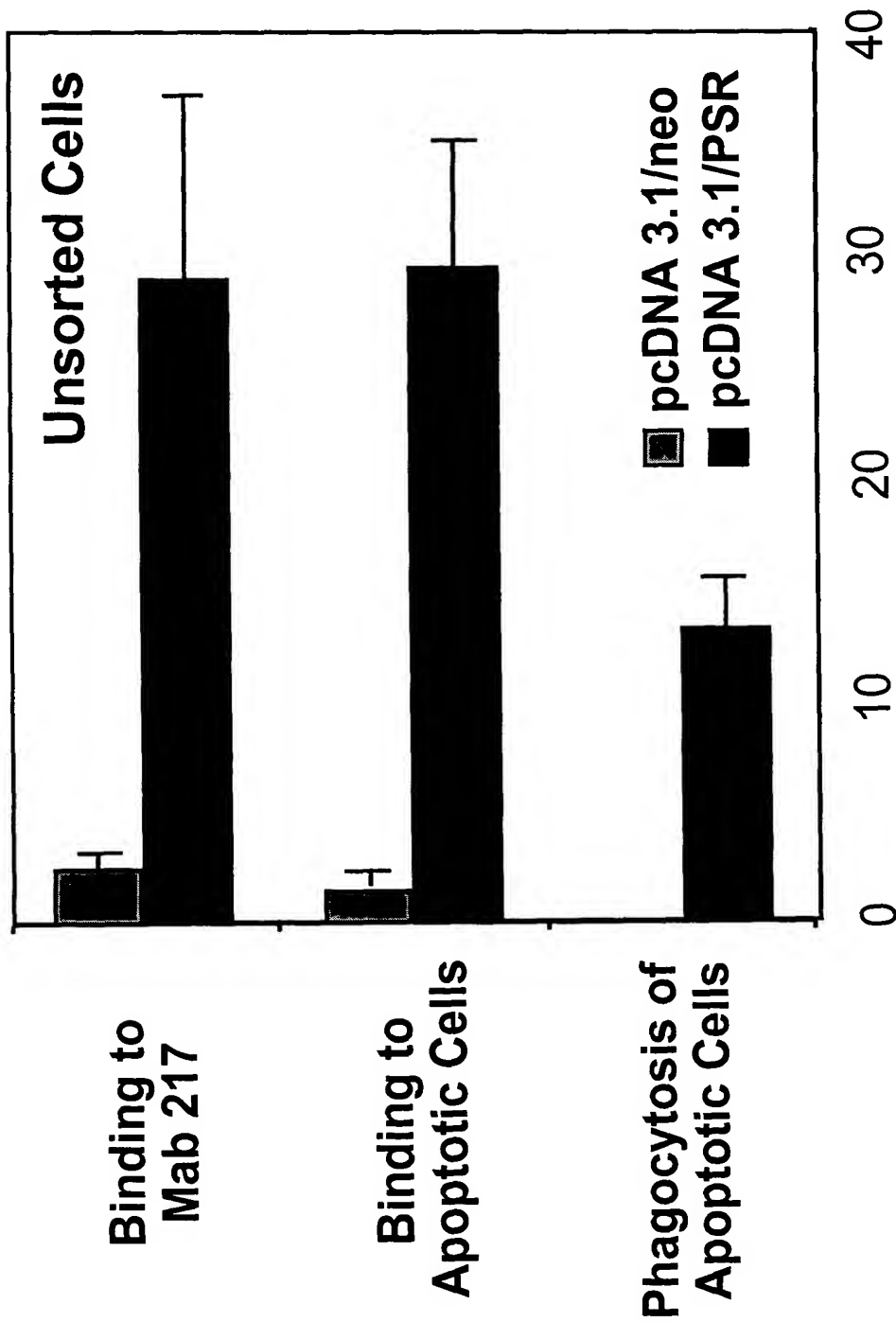
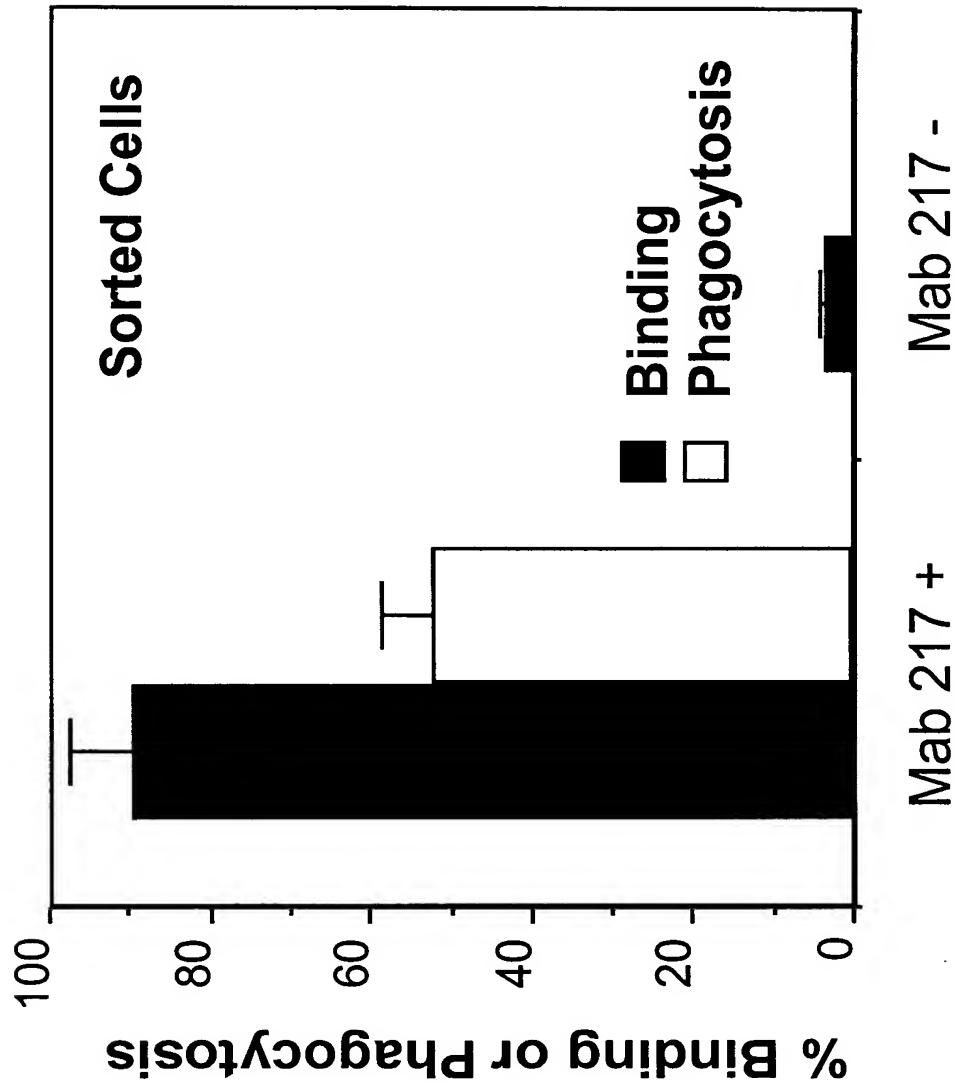
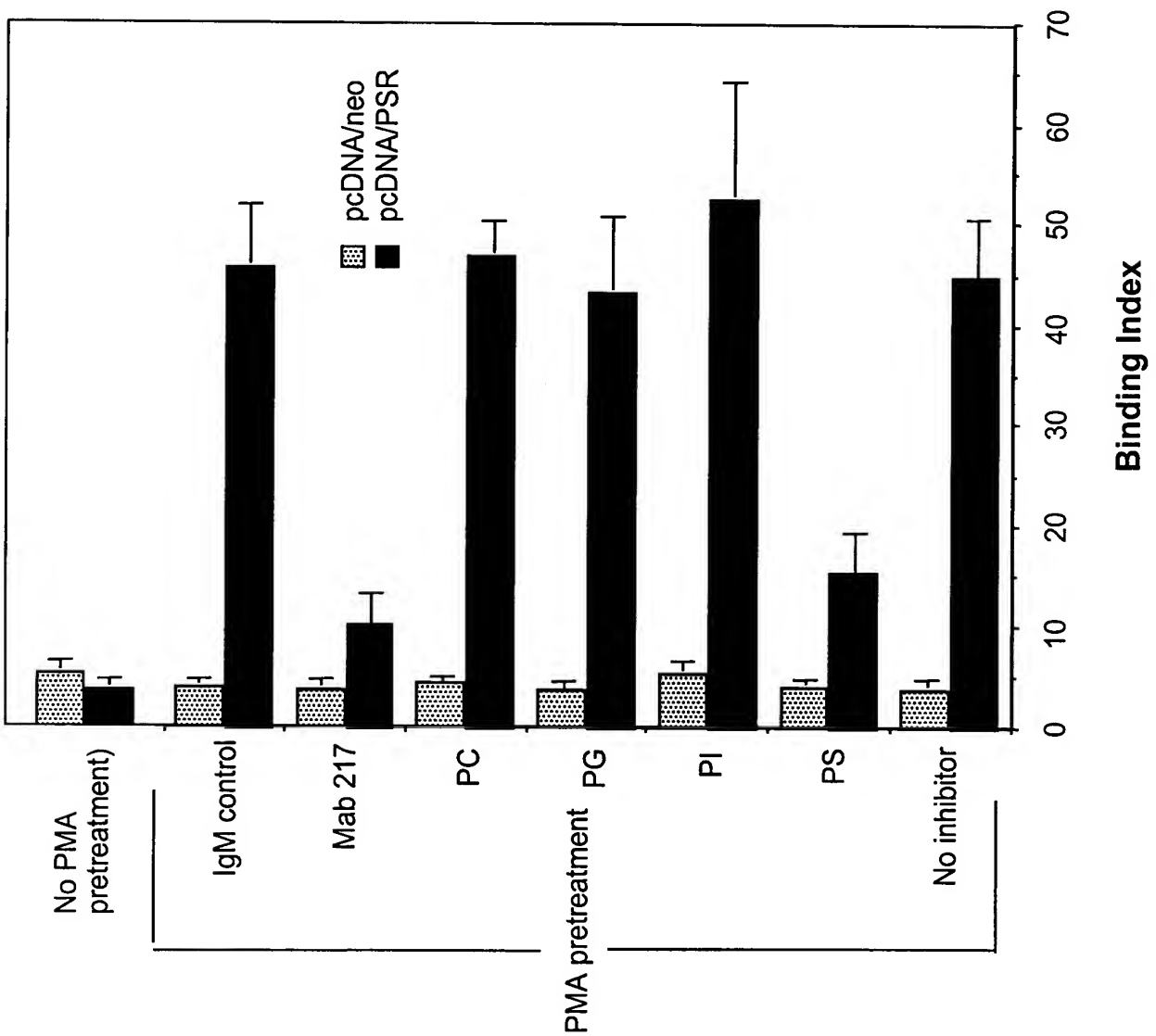


FIG. 4A



**FIG. 4B**

FIG. 4C



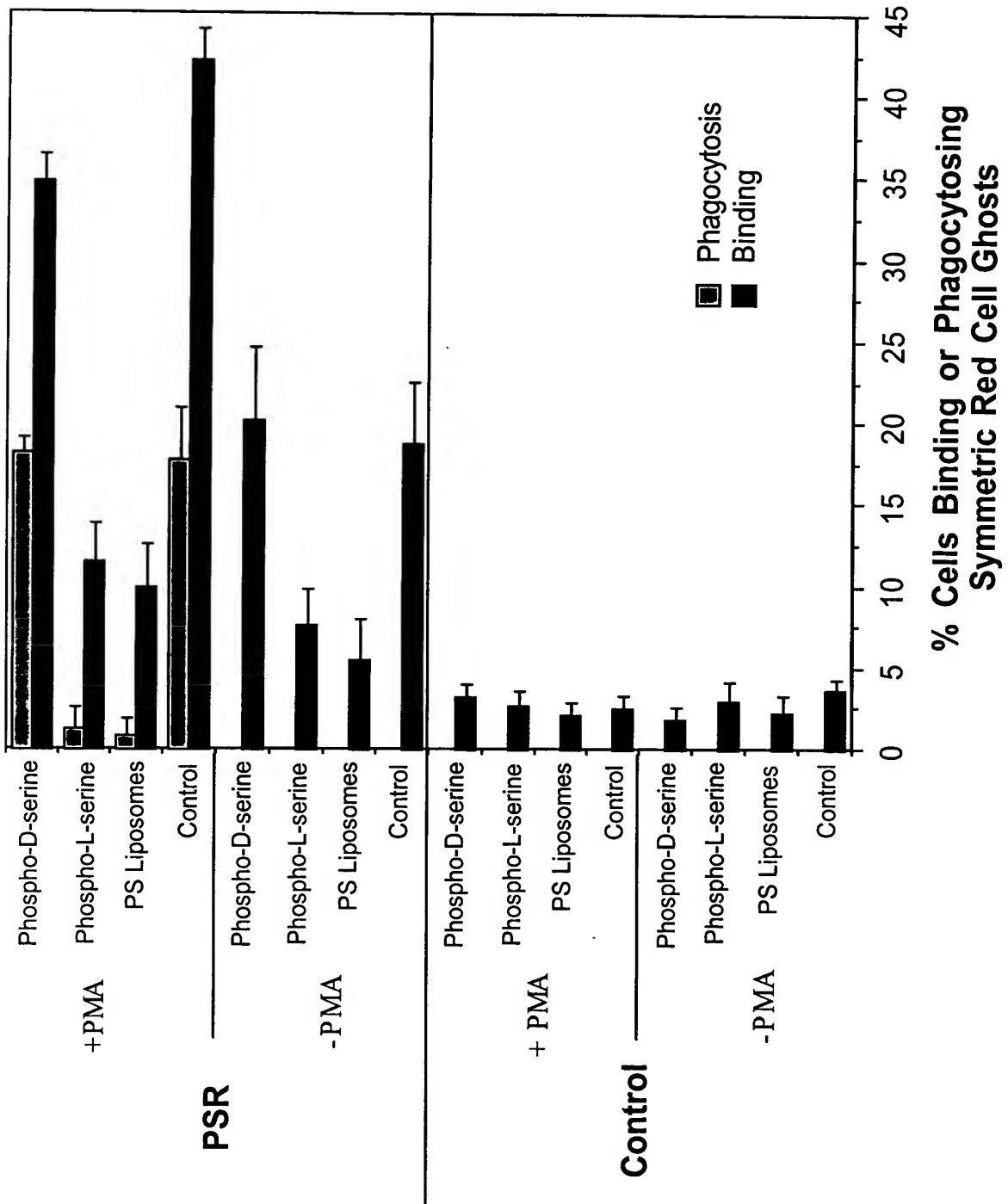


FIG. 5

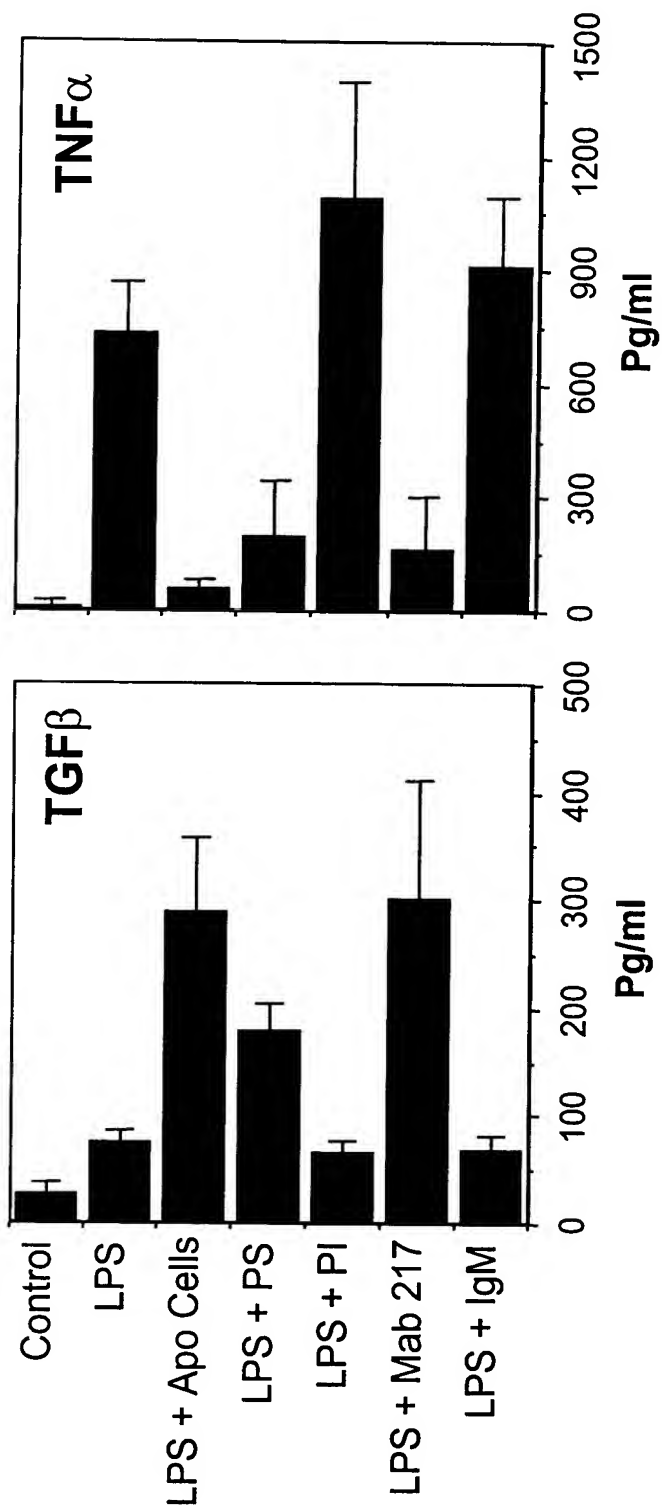


FIG. 6A

FIG. 6B



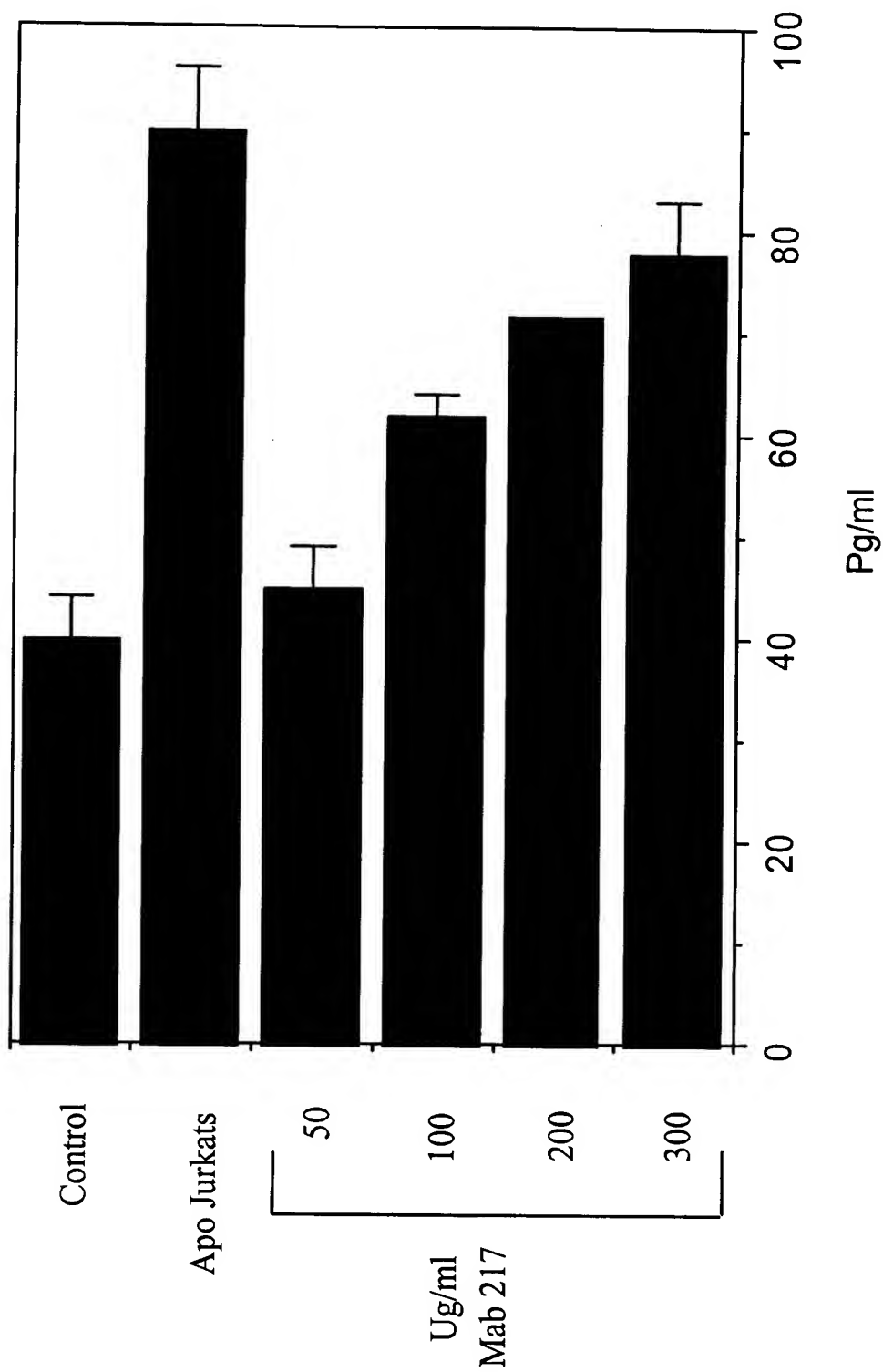


FIG. 7

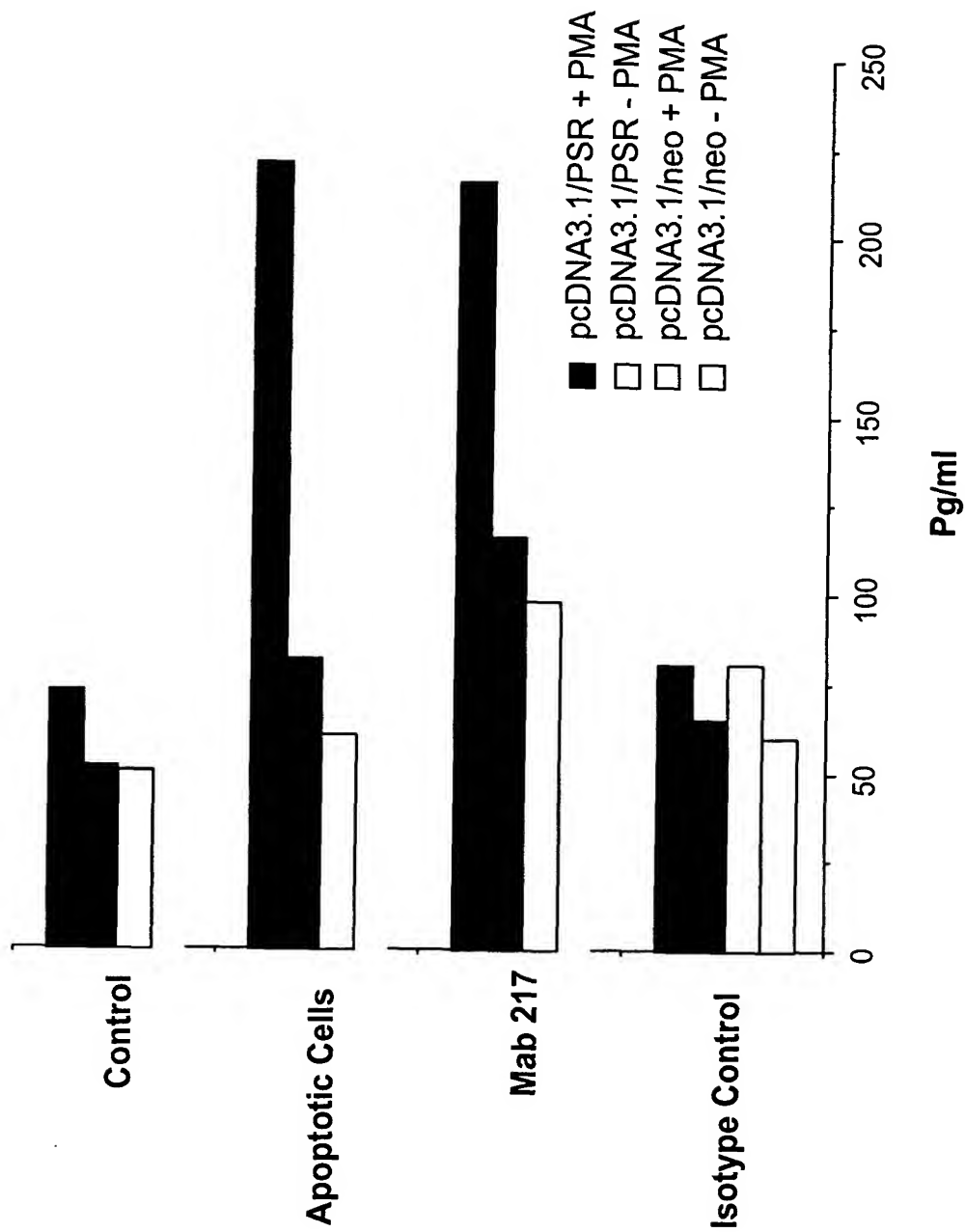


FIG. 8

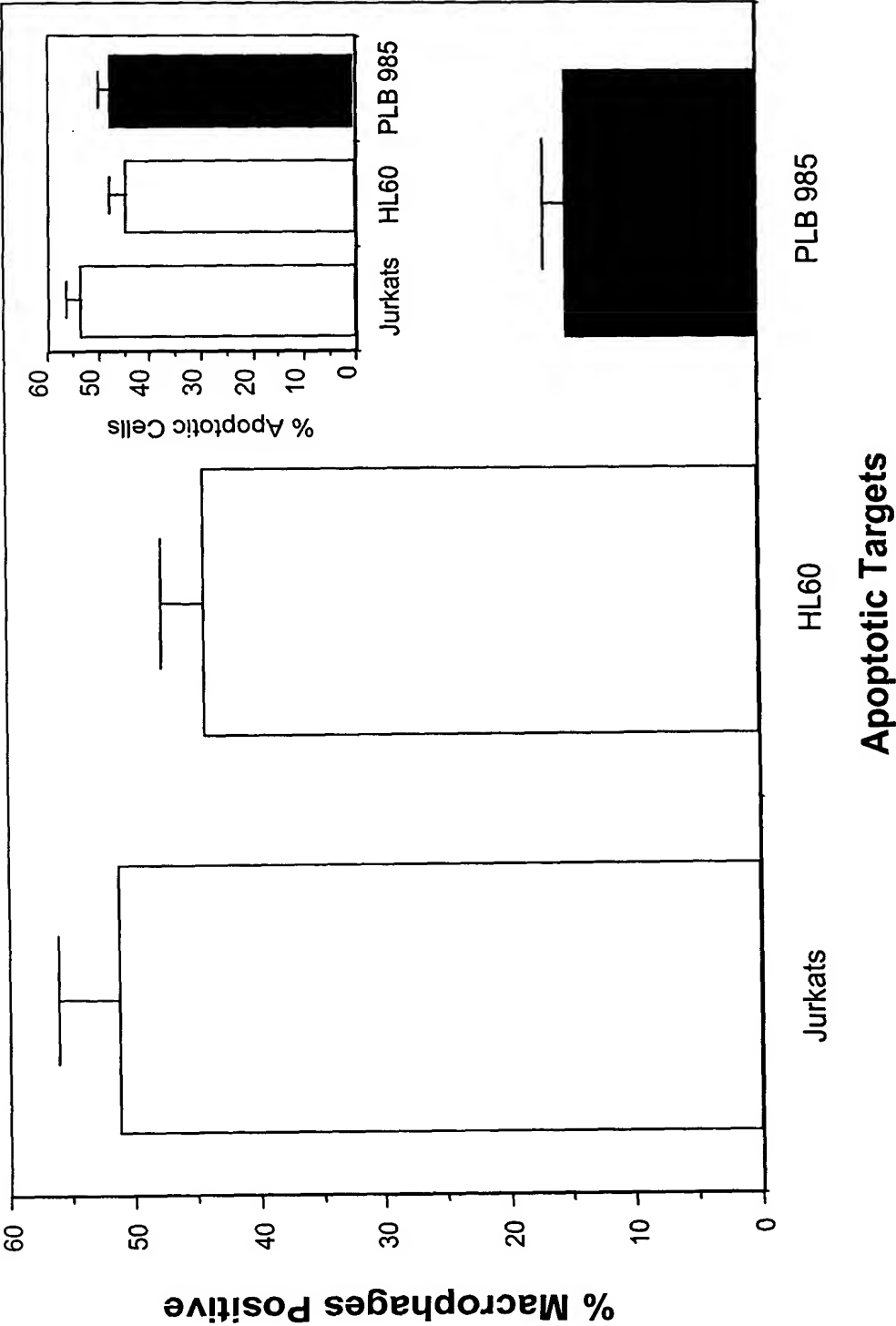


FIG. 9A

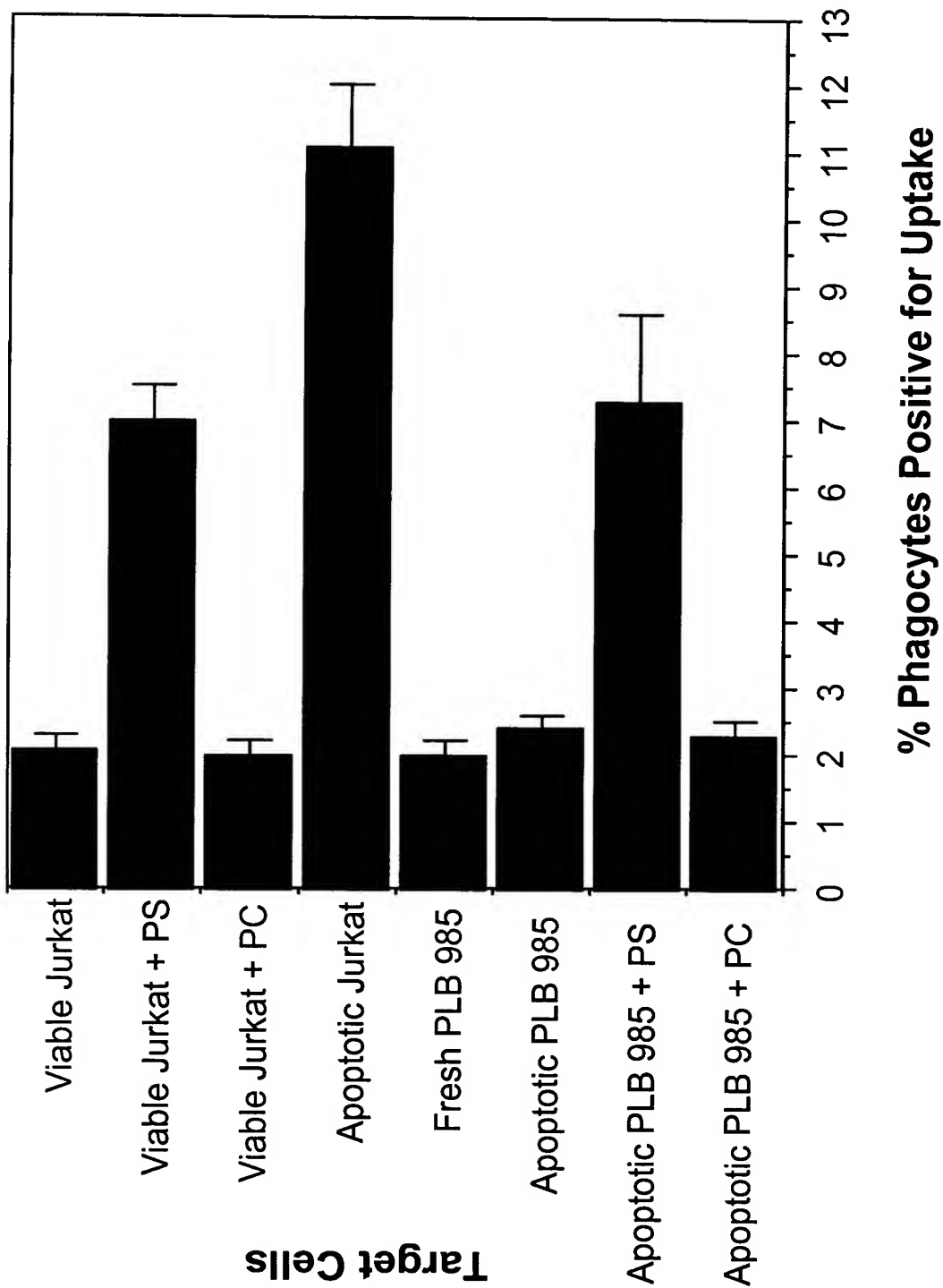


FIG. 9B

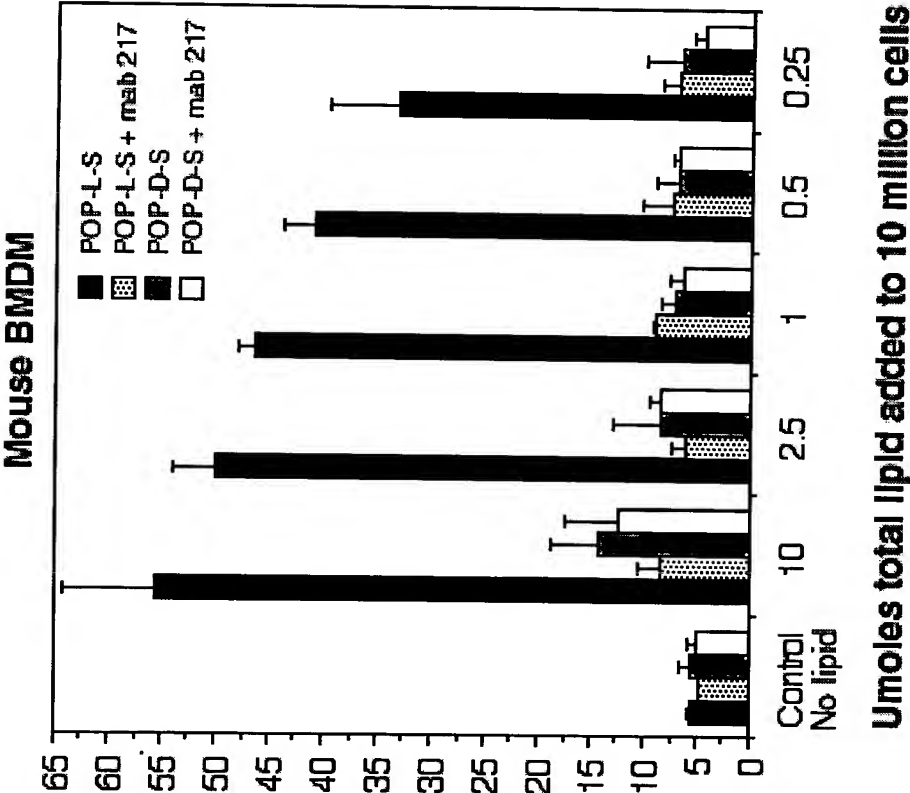


FIG. 9C

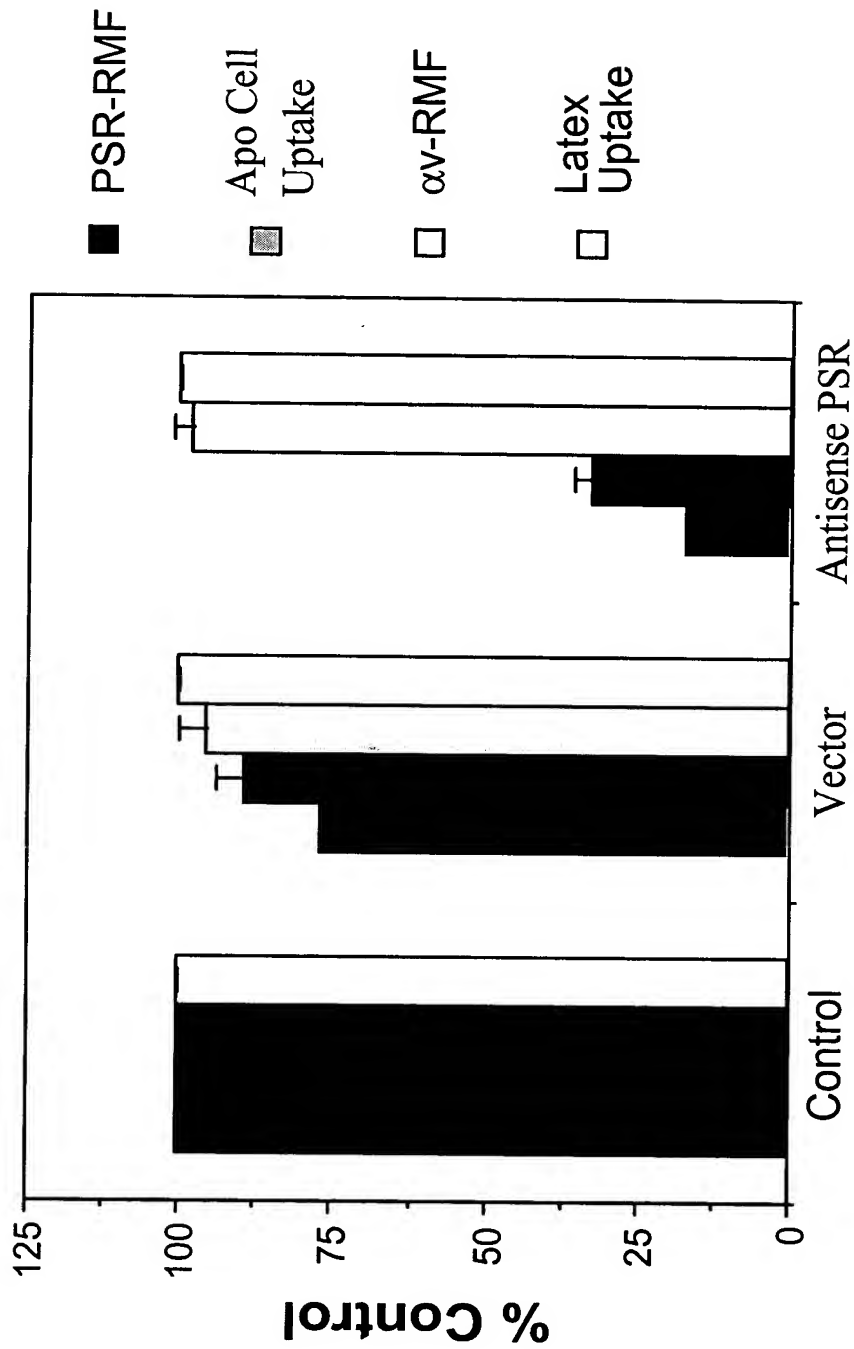


FIG. 10

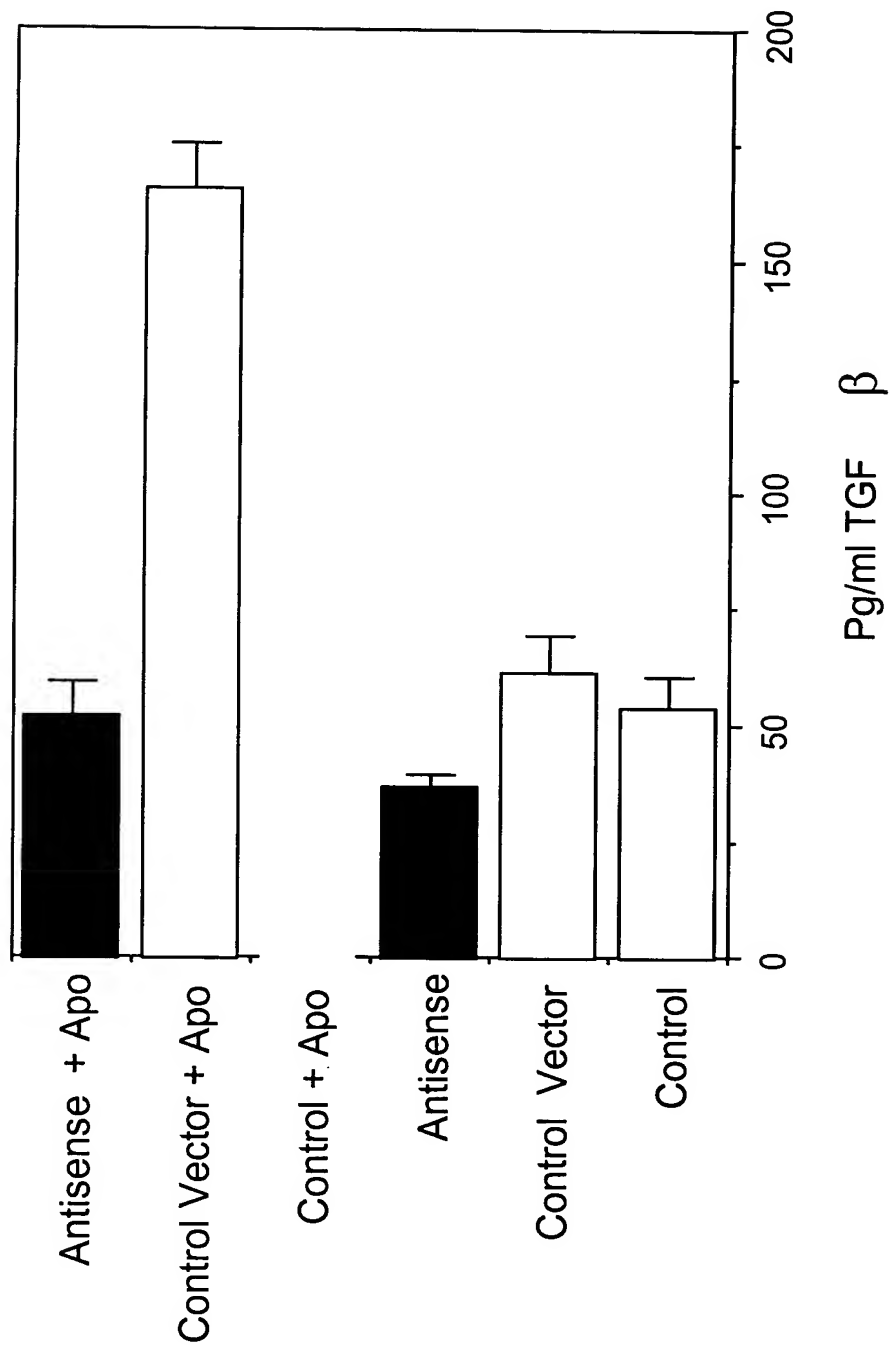


FIG. 11